

Sub 82> 1. An indeterminate length of pipe comprised of at least two corrugated sections of pipe joined by a coupler component, said coupler component having a male portion and a female portion to connect two of the corrugated sections, each corrugated section having a plurality of first corrugations, each of said first corrugations having a crest and a valley with the distance between the crest and valley of said first corrugations being a first distance, said male portion of each corrugated section having at least one second corrugation, each said second corrugation having a crest and valley with the distance between the crest and valley of said second corrugation being a second distance, said male portion of each corrugated section having at least one third corrugation, each said third corrugation having a crest and valley with the distance between the crest and valley of said third corrugation being a third distance, said crest of said third corrugation having a recessed area, said recessed area accommodating a sealing element, with said sealing element being retained between said recessed area and said female portion, said second distance and said third distance each being less than said first distance, said female portion telescopically receives said third corrugation and at least a portion of said second corrugation, said female portion having a reinforcing

means on a segment of the exterior surface of said female portion.

2. The pipe according to claim 1 wherein said pipe is dual-wall.

3. The pipe according to claim 1 which includes a fourth corrugation, said fourth corrugation having a crest and a valley, with the distance between the crest and valley of the fourth corrugation being a fourth distance, with the fourth distance being greater than the first distance.

4. The pipe according to claim 1 which includes an intermediate corrugation, said intermediate corrugation located between said second and third corrugations, said intermediate corrugation having a crest and a valley, with the distance between the crest and valley of the intermediate corrugation being an intermediate distance, with the intermediate distance being greater than the third distance and less than the second distance.

5. The pipe according to claim 1 wherein said female portion wall member telescopically receives all of both said second corrugation and said third corrugation.

Sub B3 > 6. The pipe according to claim 1 wherein said reinforcing means is comprised of a selection from a group comprising tape, an adhesive layer, and a suitable coating, such as plastic, and a selection from a group comprising fiberglass, metal, carbon fibers, and plastic fibers.

7. The pipe according to claim 1 wherein said pipe is water-tight.

Sub B4 > 8. A connection between two sections of corrugated pipe, said pipe having a plurality of first corrugations, each of said first corrugations having a crest and a valley with the distance between the crest and valley of said first corrugations being a first distance, said connection comprising a male portion integrally molded to one of said sections and a female portion integrally molded to the other of said sections, said male portion having at least one second corrugation, each said second corrugation having a crest and valley with the distance between the crest and valley of said second corrugation being a second distance, said male portion also having at least one third corrugation, each said third corrugation having a crest and valley with the distance between the crest and valley of said third corrugation being a third

distance, said crest of said third corrugation having a recessed area, said second distance and said third distance each being less than said first distance, said female portion being of a length which is greater than  
20 that associated with two corrugations, said pipe having a gasket in the recess, said pipe being water-tight.

9. The connection according to claim 8 wherein the said two corrugations are the second and third corrugations.

10. The connection according to claim 8 wherein the said two corrugations are the third and intermediate corrugations.

11. The connection according to claim 8 wherein said female portion has at least one corrugation thereon, and a pair of guide lines.

12. An indeterminate length of dual-wall plastic pipe comprised of at least two corrugated sections of pipe joined by a coupler component, said coupler component having a male portion and a female portion to connect said  
5 at least two corrugated sections, each corrugated section having a plurality of first corrugations, each of said

first corrugations having a crest and a valley with the distance between the crest and valley of said first corrugations being a first distance, said male portion of each corrugated section having a single second corrugation, each said second corrugation having a crest and valley with the distance between the crest and valley of said second corrugation being a second distance, said male portion of each corrugated section having a single third corrugation, each said third corrugation having a crest and valley with the distance between the crest and valley of said third corrugation being a third distance, said female portion wall member telescopically receiving said third corrugation and at least a portion of said second corrugation, said crest of said third corrugation having a recessed area, said recessed area accommodating a sealing element, with said sealing element being retained between said recessed area and said female portion, said second distance and said third distance each being less than said first distance, said female portion having a reinforcing means on a segment of the exterior surface of said female portion.

13. The pipe according to claim 12 which includes a fourth corrugation, said fourth corrugation having a crest and a valley, with the distance between the crest and

valley of the fourth corrugation being a fourth distance,  
5 with the fourth distance being greater than the first  
distance.

14. The pipe according to claim 12 which includes an  
intermediate corrugation, said intermediate corrugation  
located between said second and third corrugations, said  
intermediate corrugation having a crest and a valley, with  
5 the distance between the crest and valley of the  
intermediate corrugation being an intermediate distance,  
with the intermediate distance being greater than the  
third distance and less than the second distance.

15. The pipe according to claim 12 wherein said  
female portion wall member telescopically receives all of  
both said second corrugation and said third corrugation.

Sub B > 16. The pipe according to claim 12 wherein said  
reinforcing means is comprised of a selection from a group  
comprising tape, an adhesive layer, and a suitable  
coating, such as plastic, and a selection from a group  
5 comprising fiberglas, metal, carbon fibers, and plastic  
fibers.

17. The pipe according to claim 12 wherein said pipe is water-tight.

Ans A. >